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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

13281 U.S. PTO  
07/22/03

Attorney Docket No.	0609.4560003/JAG/KRM
First Inventor	En Li
Title	De Novo DNA Cytosine Methyltransferase Genes, Polypeptides and Uses Thereof
Express Mail Label No.	

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria VA 22313-1450

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 131]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table, or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 65]

5. Oath or Declaration [Total Pages   ]  
a.  Newly executed (original or copy)  
b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76.

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  
a.  Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i.  CD-ROM or CD-R (2 copies); or  
ii.  paper  
c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of Attorney (when there is an assignee)

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other: Authorization under 37 C.F.R. § 1.136(a)(3)  
 Other: The name of the assignee is: The General Hospital Corporation

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-Part (CIP)  
Prior application information: Examiner \_\_\_\_\_ of prior application No: 09/720,086  
Group/Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label Customer No. 26111	<i>(Insert Customer No. or Attach bar code label here)</i>			or <input type="checkbox"/> Correspondence address below
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NAME (Print/Type)	Karen R. Markowicz	Registration No. (Attorney/Agent)	36,351
SIGNATURE	<i>Judith A. Kim (for) Reg No. 40,679</i>		Date <u>July 27, 2003</u>

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

SKGF Rev 5/16/03 mac #157489v1&lt;SKGF DC1&gt;-utility patent application transmittal.wpd

21910 U.S. PTO  
210/623813

07/22/03



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•Practice Limited to  
Federal Agencies

July 22, 2003

**WRITER'S DIRECT NUMBER:**  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Mail Stop Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Appl. No. *To be assigned*; Filed: *Herewith*  
(Continuation-in-part of U.S. Appl. No. 09/720,086; § 371 date: July 23, 2001)  
For: ***De novo DNA Cytosine Methyltransferase Genes, Polypeptides and Uses Thereof***  
Inventors: Li *et al.*  
Our Ref: 0609.4560003/JAG/KRM

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
2. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
3. U.S. Utility Patent Application entitled:

***De novo DNA Cytosine Methyltransferase Genes, Polypeptides and Uses Thereof***

and naming as inventors:

En LI  
Masaki OKANO  
Shaoping XIE  
Taiping CHEN

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);

Commissioner for Patents  
July 22, 2003  
Page 2

- b. A specification containing:
  - i. 118 pages of description prior to the claims;
  - ii. 12 pages of claims (55 claims);
  - iii. a one (1) page abstract;
- c. 65 sheets of drawings: (Figures 1A-1, 1A-2, 1A-3, 1A-4, 1B-1, 1B-2, 1B-3, 1B-4, 1C-1, 1C-2, 1C-3, 1C-4, 1D-1, 1D-2, 1D-3, 1D-4, 2A, 2B, 2C, 2D, 3A-1, 3A-2, 3B-1, 3B-2, 4A, 4B, 4C, 4D, 5A, 5B, 5C, 6A-6C, 7A-7C, 7D, 8A-8C, 8D-8E, 9, 10, 11A-11F, 12A-12C, 13A, 13B, 13C, 13D, 13E-1, 13E-2, 13E-3, 13E-4, 13F, 14A-14B, 15A-15D, 16A-16D, 17A-17D, 18A-18D, 19A-19C, 20A-20B, 21A-21I, 22A-22E, 23A-23E, 24A-24B, 25A-25B, 26A-26C, 27, 28 and 29);
- d. 92 pages of a paper copy of the sequence listing;
- e. A computer readable disk copy of the sequence listing; and

4. Two (2) return postcards.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith are the same.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

*Judith U. Kim Reg. No. 40,679*

*for* Karen R. Markowicz  
Agent for Applicants  
Registration No. 36,351

KRM/DJN:dbj  
Enclosures  
SKGF\_DC1:157477.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LI *et al.*

Appl. No. *To be assigned*

Filed: *Herewith*

For: ***De novo DNA Cytosine  
Methyltransferase Genes,  
Polypeptides and Uses Thereof***

Art Unit: *To be assigned*

Examiner: *To be assigned*

Atty. Docket: 0609.4560003/JAG/KRM

**Authorization To Treat A Reply As Incorporating An Extension Of  
Time Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

*Judith K. Cim Reg. No. 40,679*

*for* Karen R. Markowicz  
Agent for Applicants  
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Date: July 22, 2003

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